

REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.</small>					
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.					
1. REPORT DATE (DD-MM-YYYY) 09/10/2002		2. REPORT DATE FINAL		3. DATES COVERED (From - To) December 15, 2000 to December 14, 2001	
4. TITLE AND SUBTITLE Data Management of MG&G: Tools for Archiving, Analysis and Visualization			5a. CONTRACT NUMBER		
			5b. GRANT NUMBER N00014-01-1-0327		
			5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S) Smith, Deborah K.			5d. PROJECT NUMBER		
			5e. TASK NUMBER		
			5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Woods Hole Oceanographic Institution 360 Woods Hole Road, MS 22 Woods Hole, MA 02543			8. PERFORMING ORGANIZATION REPORT NUMBER		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) Office of Naval Research Ballston Centre Tower One 800 North Quincy Street Arlington, VA 22217-5660			10. SPONSOR/MONITOR'S ACRONYM(S)		
			11. SPONSORING/MONITORING AGENCY REPORT NUMBER		
12. DISTRIBUTION AVAILABILITY STATEMENT Approved for Public Release Distribution Unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT See Attached					
20020920 050					
15. SUBJECT TERMS Data management; marine geology & geophysics; data analysis; data visualization					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON Deborah K. Smith
a. REPORT U	b. ABSTRACT U	c. THIS PAGE U			19b. TELEPHONE NUMBER (Include area code) 508-289-2472

Data management for MG&G: Tools for archiving, analysis and visualization

On May 14-16, 2001 a workshop on Data Management for Marine Geology and Geophysics: Tools for Archiving, Analysis, and Visualization was held in La Jolla, CA. The workshop's objective was to bring together researchers, data collectors, data users, engineers, and computer scientists to assess the state of existing data management efforts in the marine geology and geophysics (MG&G) community, share experiences in developing data management projects, and help determine the direction of future efforts in data management.

The workshop agenda was organized around presentations, plenary discussions, and working group discussions. The presentations provided examples of the needs of data users, the needs of large, multidisciplinary MG&G projects, existing data management projects in the community, tools that have been developed for data access and analysis, examples of organizations with centralized databases, and current topics in information technology. Working groups addressed questions concerning three different themes: (1) the structure of a data management system, (2) data archiving and access, and (3) data documentation. The working groups were also asked to recommend strategies to permit MG&G data management to move forward in each of these areas.

The Working Groups came up with a list of recommendations. The two overarching recommendations were (1) Create permanent, active archives for all MG&G data; and (2) Create a centralized and searchable on-line metadata catalog. A detailed description of these recommendations and all of the others can be found in the Workshop Report, which can be obtained at <http://humm.who.edu/DBMWorkshop>.

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